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CB (Amphetamine)

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Neiman and N. K. Serdyuk. Translated from  
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63-16042

Trans. of [Zhurnal Fizicheskoi Khimii] (USSR) 1943,  
v. 22, no. 2, p. 161[-167].

DESCRIPTORS: \*Phase studies, Chemical analysis,  
\*Sodium alloys, \*Lead alloys, \*Potassium alloys,  
\*Ethanes, Chlorides, Vapor pressure, Reaction  
kinetics, Ethyl radicals, Lead, Synthesis (Chemistry),  
\*Intermetallic compounds, Sodium compounds,  
\*Plumbides.

It was stated that the addition of potassium to the  
binary alloy NaPb, does not change the character of  
the kinetical curves, markedly shortening induction  
(Physical-Chemistry, TT, v. 10, no. 7) (over)

63-16042

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III. Title: Ternary...

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Re: [REDACTED] Determination of Budget Amount  
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[REDACTED], [REDACTED] → Vol. 14, X-40, pp 394-  
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NSA 14-4-200736

*D.W. B. Neiman*

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DESCRIPTORS: Radical; radical structure; Chemical  
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(Chemistry--Physics, TT, v. 8, no. 1)

62-17729

- I. Title: Static radicals
- II. Nelmin, M. B.
- III. Buchachenko, A. L.
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DESCRIPTORS: \*Polymers, Stabilization

(Chemistry--Organic, TT, v. 6, no. 10)

61-25475

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No Foreign Dissem

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USIS Internal Use Only

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Sci. - Min/Met

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**REXY**

M. Tollemache  
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Sci  
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Brink, V. E. Heimark, R. I. Butler.

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Stal, vol 8, no. 3, 17 figures, 2 tables, 3700 words; 1948.

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ISA

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Sci  
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Netmark, Yu. I.

23. THE ADMISSIBILITY OF LINEARIZATION IN  
STABILITY INVESTIGATIONS. [1961] [9 p. 7 refs.  
Order from GTS or SCA \$1.10]

61-16465

Transl. of Akademya Nauk SSSR. Doklady 1959,  
v. 147, no. 5, p. 961-964.

DESCRIPTION: Control systems, \*Stability, Motion,  
\*Linear systems, Mathematical analysis, Integral  
equations.

The present study is concerned with linearization, when  
the stability of the solutions of certain distributed sys-  
tems, which are described by differential equations  
with lagging arguments, is being investigated. We also  
consider equations involving partial derivatives which  
are related to systems of automatic regulation with  
uniformly distributed elements (lags, pipe-lines fric-  
tion, long line impedance, etc). The proof of the  
(Mathematics, TT, v. 6, no. 8) (over)

I. Netmark, Yu. I.

Office of Technical Services

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DETERMINATION OF THE VALUE OF PARAMETERS  
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tr. by Donald C. Rich and George F. Hill. 17 May 61  
[23]p. 13 refs. ARGMA Trans. nr. 33-61.  
Order from OTS or SLA \$2.60

61-23648

Trans. of Avtomatika i Telemekhanika (USSR) 1948,  
v. 9, no. 3, p. 190-209.

DESCRIPTORS: \*Control systems, Stability,  
Mathematical analysis.

A method is given for plotting regions of stability of  
equilibrium states of linearized systems, both dis-  
tributed and discrete, on the basis of any pair of  
parameters.

(Engineering--Electronic, TT, v. 6, no. 7)

61-23648

- I. Nelmark, Yu. I.
- II. ARGMA Trans-33-61
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Missile Agency, Redstone  
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Office of Technical Services

Lerman, Yu. I.

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NON-LINEAR INVESTIGATIONS. [1961] [9] p. 7 refs.  
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61-16465

Transl. of Matematichesika Nauk SSSR. Doklady 1959,  
v. 127, no. 5, p. 961-964.

DESCRIPTION: Control systems, \*Stability, Motion,  
\*Linear systems, Mathematical analysis, Integral  
equations.

The present study is concerned with linearization, when  
the stability of the solutions of certain distributed sys-  
tems, which are described by differential equations  
with lagging arguments, is being investigated. We also  
consider situations involving partial derivatives which  
are related to systems of automatic regulation with  
uniformly distributed elements (legs, pipe-lines fric-  
tion, long line impedance, etc). The proof of the  
(Mathematics, v. 6, no. 8) (over)

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I. Neimark, Yu. I.

Office of Technical Services

The Circulation of Pulses in a Strongly Non-  
Linear System With Delayed Dispersive Feedback,  
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